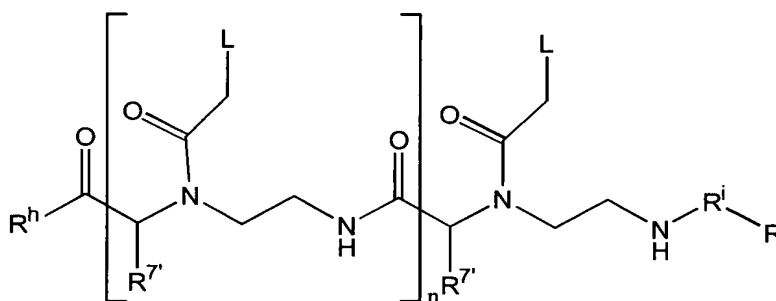


This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-22 (canceled)

23 (currently amended). A composition comprising a peptide nucleic acid having formula:



wherein:

each L is, independently, a naturally-occurring nucleobase or a non-naturally-occurring nucleobase;

each R^{7'} is hydrogen or the side chain of a naturally-occurring or non-naturally-occurring amino acid, at least one R^{7'} being the side chain of a naturally-occurring or non-naturally-occurring amino acid;

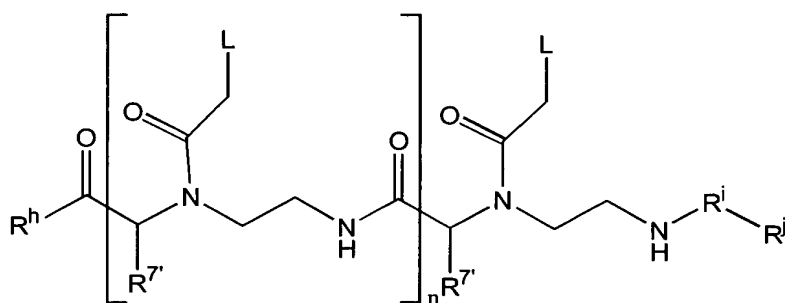
R^h is OH, NH₂, or NHLysNH₂;

each of Rⁱ and R^j is, independently, a lipophilic group or an amino acid labeled with a fluorescent group selected from alkyl, lipid, and steroid; or Rⁱ and R^j, together, are a lipophilic group selected from alkyl, lipid and steroid; and

n is an integer from 1 to 30;

and at least one pharmaceutically acceptable carrier, binder, thickener, diluent, buffer, preservative or surface active agent.

24 (currently amended). A composition comprising a peptide nucleic acid incorporated into a liposome, said peptide nucleic acid having formula:



wherein:

each L is, independently, a naturally-occurring nucleobase or a non-naturally-occurring nucleobase;

each R^{7'} is hydrogen or the side chain of a naturally-occurring or non-naturally-occurring amino acid;

R^h is OH, NH₂, or NHLysNH₂;

each of Rⁱ and R^j is, independently, a lipophilic group or an amino acid labeled with a fluorescent group selected from alkyl, lipid, and steroid; or Rⁱ and R^j, together, are a lipophilic group selected from alkyl, lipid and steroid; and

n is an integer from 1 to 30;

and at least one pharmaceutically acceptable carrier, binder, thickener, diluent, buffer, preservative or surface active agent.

25-52 (canceled).